

VI.3.6C-INFILE-PROD FILE FORMAT FOR PARAMETER GROUP: PRODUCTS

The Products parameter group includes parameters used to define a product (PROD) including the communications heading and locations in a product.

Before a product can be defined, all type codes referenced must be previously defined.

Input Data

The following input is used to define a complete product communications heading and locations to be included in the product.

<u>Record</u>	<u>Field</u>	<u>Variable</u>	<u>Format</u>	<u>Columns</u>	<u>Description</u>
1	1	type	a4	1-4	'PROD'
	2	prodid	a8	6-13	Identifier for product <u>1</u> /
	3	pform	a4	15-18	Product format: 'SHEF' - ASCII format 'GRIB' - Binary format
	4	dftype	a4	20-23	Default type code (AFFG, GFFG, HFFG or CARY) for the identifiers in Record 3 except for GRID when Record 3 is not used.
	5	pid	2a4,a1	25-33	AFOS identifier for product
	6	cct	a3	35-37	Communication circuit designator <u>2</u> /
	7	wmo	a4,a2	39-44	WMO header <u>3</u> /
	8	senof	a4	46-49	Sending office
	9	tzzone	a1	51	Time zone designator for product
	10	jdur	i2	55-56	Longest duration (6, 12, or 24 hours)
	11	jdes	i1	60	For 'AFFG' or 'HFFG' in field 4: Description flag: 0 = no description 1 = include description

Record	Field	Variable	Format	Columns	Description
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For 'GFFG' in field 4:
 0 = separate file for each duration
 1 = concatenate all durations into a single bulletin

For 'CARY' in field 4:
 0 = no snow carryovers
 1 = include snow

12		jstr	i1	64	Stream name flag: 0 = no stream name 1 = include stream name
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Record 2a is used only when field 4 on record 1 contains 'GFFG'.

2a	1	lwcol	i4	5-8	Local western most HRAP column
	2	lncol	i4	9-12	Local number HRAP columns
	3	lsrow	i4	13-16	Local southern most HRAP row
	4	lnrow	i4	17-20	Local number of HRAP rows

Record 2b is used when field 4 on record 1 does not contain 'GFFG'.

2b	1-15	alidty	5(1x,a8,4-67 1x,a4)		Alternating identifier and type code pairs for each location in product. Reserved identifier 'ENDID' terminates list of identifiers. 4/
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Repeat record type 2b as needed up to 40 times.

The following pseudo-identifier is reserved for use in 'PROD' definition.

Identifier	Special Function
SKIPLINE	Blank line

NOTES:

- 1/ Each identifier must be defined by a type 'PROD' record. For GRIB products, the output filename is the duration appended to the identifier. Therefore, for GRIB products, limit identifier to no more than six (6) characters.

Record Field Variable Format Columns Description

- 2/ For AFOS, the designator represents the regional circuit(s).
- 3/ World Meteorological Organization (WMO) headers are assigned by communications through the Office of Hydrology. For product transfer to AFOS from punch stream, use 'TTAAOO'.
- 4/ Location identifiers must be unique and consist of 3 to 8 alphanumeric characters. Identifiers can represent an actual location or a pseudo location that identifies lines of text or special functions. Each identifier must be defined by a record type 'TEXT', 'GRID', 'HFFG', 'AFFG', or be a special function pseudo-identifier, 'SKIPLINE', 'ENDTEXT', or 'ENDID', or 'ENDID'. Pseudo-location identifiers do not appear in the product.

Sample Input

To define a new product the following input consisting of a record type 'PROD' for an area product would be used:

```
PROD FFGCIN    SHEF AFFG CRWFFGCIN CES RGUE10 KTIR E    6    1    0
      FFGCINH D TEXT
      INZ005    AFFG INZ006    AFFG INZ007    AFFG INZ008    AFFG
      SKIPLINE
      WVZ009    AFFG
      ENDID
```

A second sample input for a single product consists of defining a record 'PROD' for a headwater product.

```
PROD FFHTN     SHEF HFFG CRWFFHTN  ES  RHUE17 KTIR E    6    1    0
      FFHTNH D  TEXT FRAT1    HFFG KINT1    HFFG NAST1    HFFG
      PORT1     HFFG TNC003    AFFG ENDID
```

To define a gridded product the following input is needed:

```
PROD FFDOUN    GRIB GFFG OKCFFDOUN S    TTAAOO KTUA S    6    0
      415    14 305    20
```